

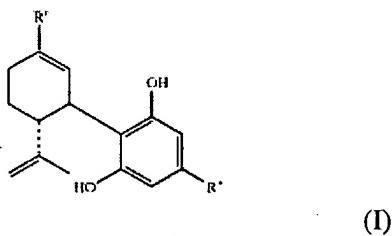
In re Application of: Lola WEISS et al  
 Serial No.: 10/589,623  
 Filed: August 16, 2006  
 Office Action Mailing Date: July 6, 2010

Examiner: Jennifer M. KIM  
 Group Art Unit: 1628  
 Attorney Docket: 32361  
 Confirmation No.: 3826

**In the claims:**

1.(Currently Amended) A method of treating or preventing Type II diabetes in a subject, the method comprising administering to the subject a therapeutically effective amount of  $\alpha$ -cannabidiol (CBD), thereby treating or preventing Type II diabetes in the subject.

2. (Currently Amended) The method of claim 1, wherein said cannabidiol (CBD) comprises a compound having the general formula:



wherein R' is alkyl, COOH or CH<sub>2</sub>OH; and

R'' is selected from the group consisting of a straight or branched alkyl having 5 to 12 carbon atoms; an -OR'', where R'' is straight or branched alkyl having 5 to 9 carbon atoms, or a straight or branched alkyl substituted at the terminal carbon atom by a phenyl group; and a -(CH<sub>2</sub>)<sub>n</sub>-O-alkyl group, where n is an integer from 1 to 7 and the alkyl group has 1 to 5 carbon atoms.

3. (Previously Presented) The method of claim 2, wherein R' is CH<sub>3</sub> and R'' is a straight alkyl having 5 carbon atoms (C<sub>5</sub>H<sub>11</sub>).

4. (Currently Amended) The method of claim 1, wherein said cannabidiol (CBD) comprises a natural cannabidiol (CBD).

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5. (Previously Presented) The method of claim 4, wherein said natural cannabidiol is extracted from Cannabis.

6-7. (Cancelled)

8. (Previously Presented) The method of claim 1, wherein said administering is via parenteral administration.

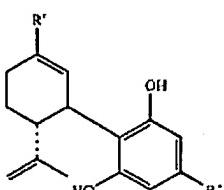
9. (Previously Presented) The method of claim 1, wherein said administering is via oral administration.

10. (Previously Presented) The method of claim 1, wherein said administering is via transdermal administration.

11-18. (Cancelled)

19. (Withdrawn) A method of prolonging survival of transplanted pancreatic cells comprising administering a therapeutically effective amount of a cannabidiol, thereby prolonging survival of the transplanted pancreatic cells.

20. (Withdrawn) The method of claim 19, wherein said cannabidiol comprises a compound having the general formula:



(I)

wherein R' is alkyl, COOH or CH<sub>2</sub>OH; and

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R" is selected from the group consisting of a straight or branched alkyl having 5 to 12 carbon atoms; an -OR'', where R'' is straight or branched alkyl having 5 to 9 carbon atoms, or a straight or branched alkyl substituted at the terminal carbon atom by a phenyl group; and a -(CH<sub>2</sub>)<sub>n</sub>-O-alkyl group, where n is an integer from 1 to 7 and the alkyl group has 1 to 5 carbon atoms.

21. (Withdrawn) The method of claim 20, wherein R' is CH<sub>3</sub> and R'' is a straight alkyl having 5 carbon atoms (C<sub>5</sub>H<sub>11</sub>).

22. (Withdrawn) The method of claim 1, wherein said cannabidiol comprises a natural cannabidiol.

23. (Withdrawn) The method of claim 4, wherein said natural cannabidiol is extracted from Cannabis.

24. (Previously Presented) The method of claim 1, wherein said subject has transplanted pancreatic cells.

25. (Cancelled)

26. (New) The method of claim 1, wherein said cannabidiol is comprised in a composition having no psychotropic activity.